

Converting Colors

CIELCh(30, 23.110, 177.873)

Have a look what the booklet for
CIELCh(30, 23.110, 177.873)
contains.

CIELCh(30, 23.109, 178.248)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(30, 23.109, 178.248)

Conversions

Conversions Part 1

Format	Color
Hex	0C5045
RGB	12, 80, 69
RGB Percent	5%, 31%, 27%
CMY	0.9533, 0.6865, 0.7296
CMYK	0.85, 0.00, 0.14, 0.69
HSL	170°, 74%, 18%
HSV	170°, 85%, 31%
XYZ	4.0876, 6.2359, 6.6100
YIQ	58.4140, -36.9970, -17.8370

Conversions

Conversions Part 2

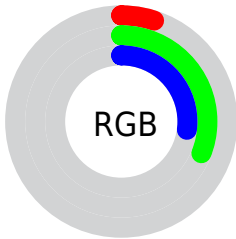
Format	Color
R_{YB}	12, 49, 80
Decimal	806981
CIE _{Lab}	30.00, -23.10, 0.71
CIE _{LCh}	30, 23.109, 178.248
Yxy	6.2359, 0.2414, 0.3683
Android (android.graphics.Color)	4278997061 (0xFF0C5045)
YUV	58.4140, 5.2189, -40.7051
Hunter-Lab	24.9718, -14.4825, 1.7863

Details

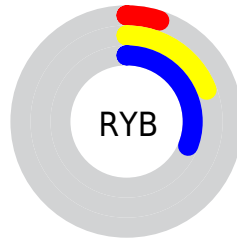
The CIELCh color **30, 23.109, 178.248** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 33.839, 21.729**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 23.170, 177.766**, and **11, 15.826, 171.070** is the 20% darker color. If you saturate the color by 10%, you get **30, 24.445, 177.015**, and if you desaturate by 10%, it is **30, 21.522, 179.441**.

Distribution



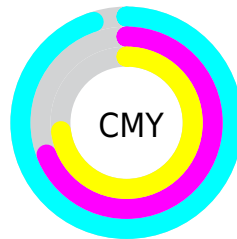
- Red (5%)
- Green (31%)
- Blue (27%)



- Red (5%)
- Yellow (19%)
- Blue (31%)



- Cyan (85%)
- Magenta (0%)
- Yellow (14%)
- Black (69%)





- Cyan (95%)
- Magenta (69%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 23.109, 178.248 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 30, 23.109, 178.248 by changing the saturation by 10% instead.


 30, 23.109,
178.248


 30, 23.109,
178.248

 100, 23.109,
178.248


 20, 23.109,
178.248


 50, 23.109,
178.248


 10, 23.109,
178.248

 60, 23.109,
178.248

 0, 23.109, 178.248

 70, 23.109,
178.248

 80, 23.109,
178.248

 90, 23.109,
178.248

■ 30, 23.109,
178.248

■ 30, 23.109,
178.248

■ 30, 24.445,
177.015

■ 30, 21.522,
179.441

■ 30, 25.109,
176.458

■ 30, 19.563,
180.538

■ 31, 17.251,
181.552

■ 31, 14.618,
182.501

■ 32, 11.708,
183.398

■ 32, 8.569, 184.256

■ 33, 5.250, 185.090

■ 34, 1.798, 185.975

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30, 23.109, 178.248



16, 33.839, 21.729

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30, 23.109, 178.248



30, 23.109, 228.248



30, 23.109, 358.248



30, 23.109, 48.248

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30, 23.109, 178.247



42, 11.035, 184.100



29, 45.446, 135.035



21, 7.509, 183.936



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30, 23.109, 178.247



39, 30.444, 175.844



22, 19.024, 251.782



16, 1.994, 185.629



83, 55.321, 174.652

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16, 33.839, 21.729



20, 48.033, 28.941



20, 30.917, 50.735



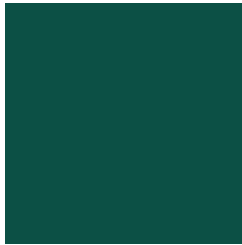
15, 2.065, 6.847



49, 89.484, 32.985

Previews

White Background



This preview shows how the CIELCh color 30, 23.109, 178.248 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 23.109, 178.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

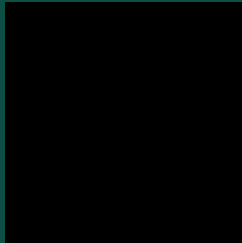
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 23.109, 178.248

Background



This preview shows how black text looks on a background with the CIELCh color 30, 23.109, 178.248.



This preview shows how white text looks on a background with the CIELCh color 30, 23.109, 178.248.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

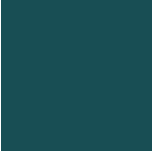
30, 23.109, 178.248

Protanopia

30, 4.061, 89.727

Deuteranopia

30, 4.452, 354.639



Tritanopia
30, 17.561, 209.826

Trichromacy



Original Color
30, 23.109, 178.248

Protanomaly
29, 11.072, 170.012

Deuteranomaly
29, 8.040, 188.902

Tritanomaly
30, 18.985, 196.715

Monochromacy



Original Color
30, 23.109, 178.248

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 10.714, 183.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 23.109, 178.248 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(12, 80, 69)` looks like.

```
.text, #text, p{  
    color:rgb(12, 80, 69)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(12, 80, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 80, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 23.109, 178.248 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(12, 80, 69) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(12, 80, 69) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(12, 80, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 80, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 80, 69);  
box-shadow:4px 4px 4px 4px rgb(12, 80, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 23.109, 178.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 80, 69) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(12, 80,  
69) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor